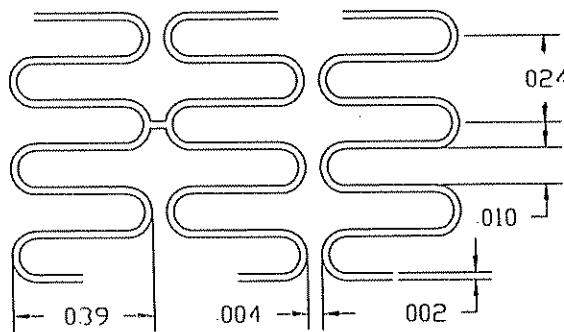
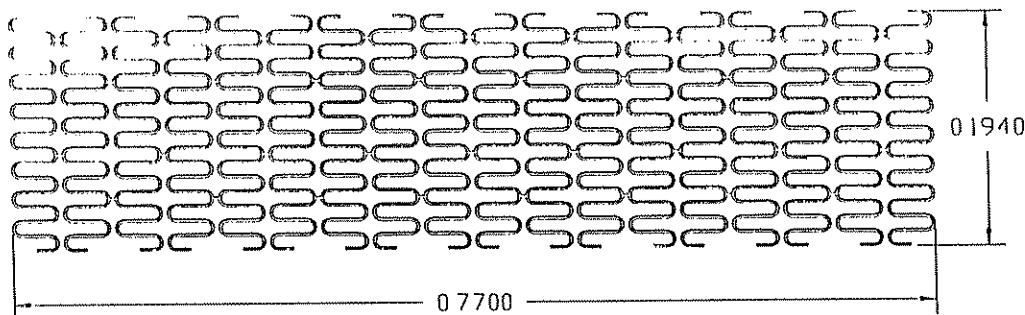


June 5,  
1990

*Zig-Zag Ring Pattern for  
Etching Metal Tubes*

The following is a pattern for a stent to be etched from .060" O.D.  
.056" ID 316L stainless steel tubes  
using the laser ablation of Photo-  
Resist technique.

The sketch below shows a flattened



view of a tube if it were cut along its length and flattened. The interconnecting bars between the hoops are meant to hold the structure together for etching and may be cut out to achieve the desired stent structure. The tube would be expanded into an artery on a PTEA balloon. The expansion, or increase in diameter would result from a plastic deformation

August  
1, 1990

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